
Read Me

Welcome to the HFACS-ME training materials CD. It is intended to provide maintenance error training to personnel at all levels in an aviation maintenance organization: Vice Presidents, Supervisors, Quality Assurance, and Artisans will find the enclosed presentations to be highly informative, interesting, and practical. More importantly, implementation of these program basics will reduce accidents and incidents, as well as, improve quality and production at all levels of a maintenance operation.

The following information provides an overview of system requirements, as well as, brief program descriptions and application information on this comprehensive, human factors in maintenance, training program.

Requirements

This package of training materials utilizes Microsoft Word and PowerPoint formats.

THE HFACS-ME presentations are intended to be used in a 8-16 hr. training program. The presentations are designed so that training may be conducted in several 1 or 2-hour sessions, or during a single 7-hour block of time. The presentations, with speaker's notes and case examples included, offer a complete human factors package to educate participants on aviation maintenance error, accident investigation, the evolution of HFACS-ME, the explanation and use of HFACS-ME error categories, and the practical application of error prevention programs through risk assessment and intervention development. A workshop is also included for "hands on" training to apply and test the students' knowledge.

The six HFACS-ME presentations include:

- 1- An Introduction to Maintenance Error Analysis: Provides an overview of aviation maintenance error, error philosophies, and the evolution of HFACS-ME.
- 2- Accident Investigation Training: Offers general investigation information of organization, planning, and philosophy. Examples are provided to illustrate key concepts and encourage student interaction.
- 3- HFACS-ME Error Categories: A thorough description of the HFACS-ME framework (case study included).
- 4- Risk Assessment: Risk assessment process for prioritization of corrective actions.
- 5- Human Factors Intervention Development: Intervention strategy development overview.
- 6- Maintenance Error Analysis and Intervention Workshop: Workshop to apply and test the participants' knowledge of HFACS, Risk Assessment, and Intervention development. Two case studies are included.

A Student Guide is also provided, which contains additional information on HFACS-ME, copies of all PowerPoint slides, all case studies, and HFACS-ME templates for case study and real world use.